

Focus Area 5: Diabetes

Objective 5-5 targets an overall reduction in the diabetes-related death rate to 46.0 per 100,000 population. Diabetes-related deaths as defined in this HP2010 objective include those with diabetes listed as either an underlying or a contributing cause of death.

California's age-adjusted rates for diabetes-related deaths declined significantly from 83.5 per 100,000 population in 2000 to 81.7 in 2004 (Figure 5-5, Table 5-5). Although decreasing, California's diabetes-related death rates are significantly higher than the HP2010 objective of 46.0 per 100,000 population.

Age-adjusted diabetes-related death rates for males were significantly higher than rates for females, and both were significantly higher than the HP2010 target. The death rates for males declined from 100.5 per 100,000 in 2000 to 98.1 in 2004, compared with a significant decline for females from 71.1 per 100,000 in 2000 to 69.0 in 2004. The HP2010 objective is not yet being achieved for either males or females as of 2004.

Data by race and ethnicity show that the highest age-adjusted diabetes-related death rates were for African American/Blacks (160.6 per 100,000 in 2004), and Pacific Islanders (154.2 per 100,000 in 2004). The next highest diabetes-related death rates were reported for Hispanics/Latinos (110.7 per 100,000 in 2004). These rates are significantly higher than the HP2010 target of 46.0 per 100,000 population, and no significant trends were found for any racial or ethnic group. This HP2010 objective is not being achieved for any racial or ethnic group except the Multirace population (27.5 per 100,000 in 2004).

For more information on diabetes in California, visit the California Diabetes Prevention and Control Program Web site at:

<http://www.caldiabetes.org/>

For more information on Healthy People 2010 objective 5-5, please visit:

<http://www.healthypeople.gov/Document/HTML/Volume1/05Diabetes.htm>

and

<http://www.healthypeople.gov/Document/html/tracking/od05.htm>

Figure 5-5
Diabetes-Related Death Rates
California, 2000-2004

Healthy People 2010 Objective = 46.0

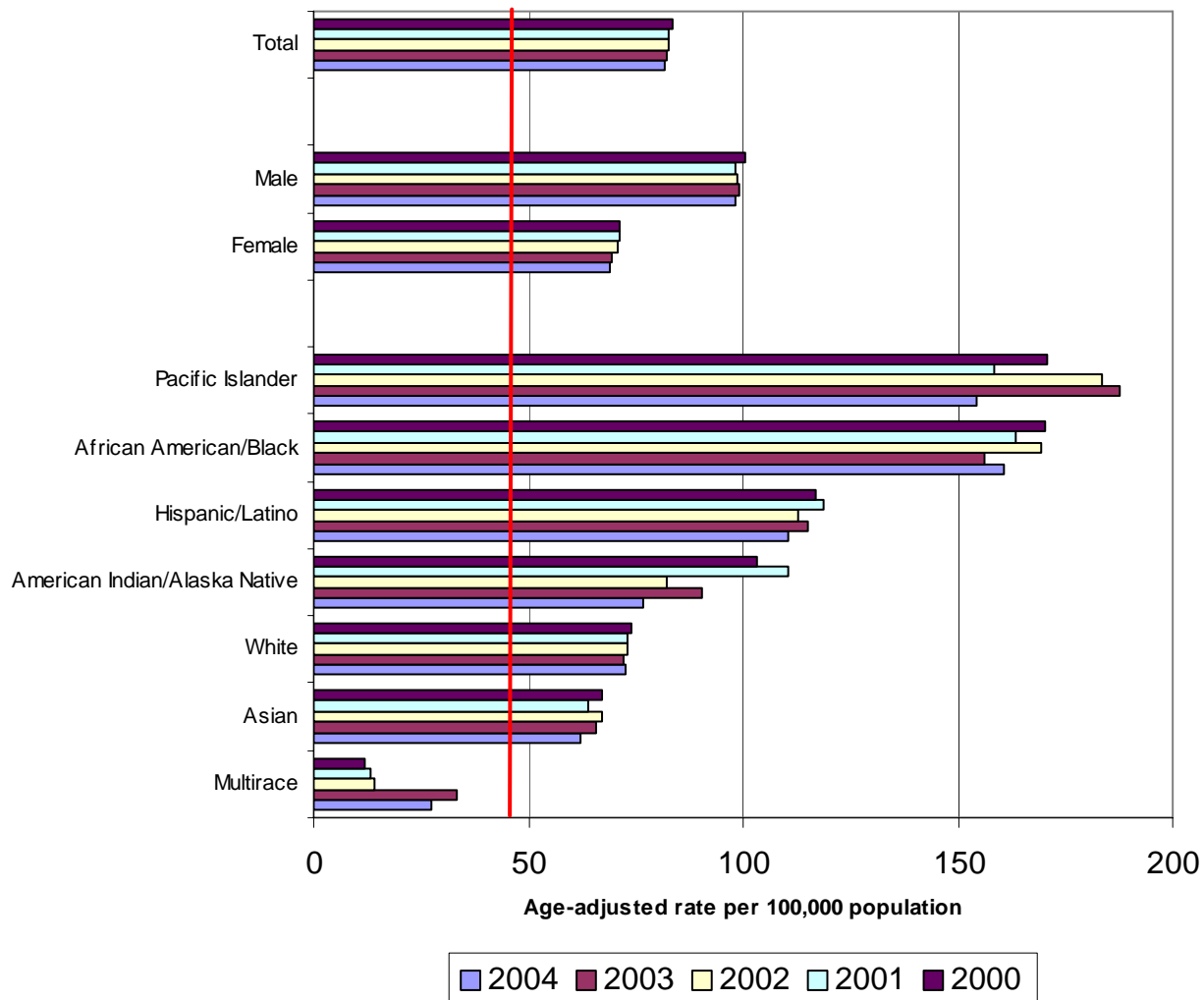


Table 5-5: Diabetes-Related Deaths and Death Rates, California 2000-2004

Objective 5-5	2000		Lower 95% C.I.	Upper 95% C.I.	2001		Lower 95% C.I.	Upper 95% C.I.
	N	Rate ¹			N	Rate ¹		
Healthy People 2010 Target		46.0				46.0		
Statewide Total	24,381	83.5	82.5	84.6	25,189	82.8	81.8	83.9
Race-Ethnicity								
African American/Black	2,636	170.2	163.6	176.8	2,644	163.6	157.2	169.9
American Indian/Alaska Native	130	103.3	84.8	121.8	160	110.3	92.7	128.0
Asian	1,808	67.3	64.2	70.5	1,891	63.9	61.0	66.8
Hispanic/Latino	4,629	117.1	113.5	120.6	5,026	118.6	115.2	122.0
Pacific Islander	96	171.0	133.4	208.6	104	158.7	125.7	191.6
White	15,042	73.8	72.6	75.0	15,317	73.2	72.0	74.4
Multirace	32	11.9	7.6	16.2	37	13.1	8.8	17.4
Gender								
Female	12,073	71.1	69.8	72.3	12,521	71.0	69.8	72.3
Male	12,308	100.5	98.7	102.3	12,668	98.4	96.6	100.1

Objective 5-5	2002		Lower 95% C.I.	Upper 95% C.I.	2003		Lower 95% C.I.	Upper 95% C.I.
	N	Rate ¹			N	Rate ¹		
Healthy People 2010 Target		46.0				46.0		
Statewide Total	26,237	82.8	81.8	83.8	26,968	82.3	81.3	83.3
Race-Ethnicity								
African American/Black	2,867	169.6	163.3	176.0	2,743	156.1	150.1	162.0
American Indian/Alaska Native	140	82.0	68.0	96.1	171	90.3	76.3	104.4
Asian	2,164	67.1	64.3	70.0	2,259	65.9	63.2	68.7
Hispanic/Latino	5,193	112.7	109.5	115.9	5,706	114.9	111.8	118.0
Pacific Islander	127	183.6	149.5	217.6	136	187.6	154.3	220.9
White	15,691	73.1	72.0	74.3	15,820	72.2	71.0	73.3
Multirace	44	14.0	9.7	18.2	112	33.1	26.9	39.4
Gender								
Female	12,916	70.7	69.5	71.9	13,040	69.3	68.1	70.5
Male	13,321	98.5	96.9	100.2	13,928	99.2	97.6	100.9

Objective 5-5	2004		Lower 95% C.I.	Upper 95% C.I.	5-year Trend	HP2010 Objective Being Achieved?
	N	Rate ¹				
Healthy People 2010 Target		46.0				
Statewide Total	27,179	81.7	80.8	82.7	Sig. -	No
Race-Ethnicity						
African American/Black	2,908	160.8	154.9	166.6	n.s.	No
American Indian/Alaska Native	156	76.7	64.6	88.7	n.s.	No
Asian	2,240	62.2	59.6	64.8	n.s.	No
Hispanic/Latino	5,757	110.7	107.8	113.6	n.s.	No
Pacific Islander	125	154.2	127.2	181.3	n.s.	No
White	15,891	72.8	71.6	73.9	n.s.	No
Multirace	102	27.5	22.1	32.8	n.s.	YES
Gender						
Female	13,148	69.0	67.8	70.2	Sig. -	No
Male	14,031	98.1	96.5	99.8	n.s.	No

SOURCES: CA Department of Health Services, Multiple Cause of Death Files, 2000-2004; CA Department of Finance, Demographic Research Unit, *Population Projections by Race/Ethnicity for California and Its Counties 2000-2050*, May 2004.

NOTES: Diabetes-related deaths defined by ICD-10 codes E10 - E14 as an underlying or a contributing cause of death.

¹ Rate per 100,000 population, age-adjusted using the 2000 U.S. population standard.

n.s. No significant trend as measured by linear regression analysis.

Sig. - Statistically significant decrease in age-adjusted death rates from 2000 to 2004.